

S E C R E T NATO SECRET FOR NATO ADDRESSEES COMPLET

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MSGNO 8 (MIXX) *12/14/87* *20:07:59.9.9*
 ZCZC 01:05:34Z (MC)
 EMI DTG : 87121419440030

SECRET

MILITARY

ACTION: NONE INFO: DOMDS, DONOVA, INTEL MIL, NESA/IA/I, ODPB-B,
 ODPD-D, ODPG-G, ODPK-K, ODPN-N, ODPS-S, ODPW-W, ODPY-Y, OPCTR/EEWE,
 OPCTR/NE, OPCTR/TERR, OPCTR/USSR, RF, SOV/RP/EUR, SOV/SE/O, FILE,
 NE/ARN-2, NE/ARP-2, SE/IO, SE/RR/NA, SE/USSR, SE/XNE, AVAD, CPAS/ILS,
 CPAS/ISS, CTC/HAB, CTC/ISB-3, CTC/RSB, CTC/TRGT, D/OMS, DD/NESA,
 DOSO/IABCT, DSD/DEB, ICS/HC/ME, ICS/HC/UR, LCG/MIL, NESA/PG, NIO/CT,
 NIO/NE, NIO/SSG, NPIC, OGI/FSI/SE, OIA/MSTB, OIR, OTS/IRT, OTS/SAD,
 SECUR-2, (37/W)

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TOR: 150043Z DEC 87

NC 7187793
RUEKJCS 6998

PP RUEAIIA
 DE RUEKJCS #6998 3490033
 ZNY SSSSS
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 FM DIA WASHINGTON DC//JSI-7D//
 TO AIG 7017
 AIG 11847

*New towed
 arty piece
 D-20 M or
 D-20 FO*

BT

EZ1:

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EZ2:

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NADA INTSUM 362-87/DIA WASH DC/14 DEC 87. (U)

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ITEM 1: USSR - ARTILLERY DEVELOPMENT. (U)

ITEM 2: USSR - RADUGA LAUNCH. (U)

ITEM 3: USSR - MAINSTAY UPDATE. (U)

ITEM 4: LEBANON - LAF DEVELOPMENTS. (U)

ITEM 5: PERSIAN GULF - SITUATION REPORT AS OF 140100Z DEC 87. (U)

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ITEM 1: USSR - ARTILLERY DEVELOPMENT. (U)

1. (S) A NEW TOWED ARTILLERY WEAPON, PROBABLY IN THE SOVIET 152-MM GUN-HOWITZER FAMILY, HAS BEEN DEPLOYED IN THE WESTERN USSR.

2. (S) THIS WEAPON IS DISTINGUISHED BY AN EXTENDED-LENGTH BARREL. THE CANNON ASSEMBLY IS 8.1 METERS LONG. IT HAS BEEN NOTED IN THREE GARRISONS OF THE BALTIC, BELORUSSIAN, AND CARPATHIAN MILITARY DISTRICTS AT KLOOGA, OSIPOVICH, AND PERECHIN, RESPECTIVELY. THE UNIT DEPLOYMENTS TOTAL MORE THAN 200 WEAPONS ORGANIZED INTO 18 TO 24 BATTALIONS AT 3 DIFFERENT ECHELONS.

3. (S) OF THE WEAPONS CONFIRMED THUS FAR, THOSE IN THE BALTIC MD ARE AT ARMY LEVEL, THE GUNS IN THE BELORUSSIAN MD ARE AT DISTRICT OR FRONT LEVEL, AND THE NEWLY EQUIPPED CARPATHIAN MD UNITS ARE AT

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DIVISION LEVEL. ORGANIZATIONS WITH THIS WEAPON WERE PREVIOUSLY EQUIPPED WITH 152-MM D-1 OR D-20 TOWED ARTILLERY.

4. (S) COMMENT: THE UNIDENTIFIED ARTILLERY PIECE IS ASSESSED TO BE A GUN-HOWITZER WITH THE CAPABILITY OF EFFECTIVE DIRECT OR INDIRECT FIRE SUPPORT. ITS PRODUCTION COSTS WILL BE MUCH LESS THAN THE 152-MM SELF-PROPELLED 2S3 OR 2S5. IT PROBABLY COMBINES MANY OF THE FEATURES DISTINGUISHING THE FAMILY OF NEWER 152-MM WEAPONS NOW WITH THE WARSAW PACT ARMIES.

5. (S) WHETHER THIS WEAPON WAS MANUFACTURED IN THE USSR OR (WHETHER IT IS A PRODUCT OF ONE OF THE NON-SOVIET WARSAW PACT STATES IS UNCERTAIN. REGARDLESS, THIS VERSATILE ARTILLERY PIECE DEMONSTRATES THE CONTINUING SOVIET COMMITMENT TO FIELD MODERN AND EFFECTIVE GROUND COMBAT FORCES AGAINST THE EUROPEAN CENTRAL FRONT. (DECL OADR)

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ITEM 2: USSR - RADUGA LAUNCH. (U)

1. (S) THE 21ST RADUGA (RAINBOW) GEOSTATIONARY MILITARY COMSAT WAS ORBITED BY AN SL-12 PROTON LAUNCHED FROM TYURATAM AT 1130Z ON 10 DECEMBER. TASS ANNOUNCED THE SATELLITE AS A RADUGA BUT DID NOT PROVIDE ORBITAL PARAMETERS. TASS CLAIMED IT WAS MEANT FOR ENSURING TELEPHONE, TELEGRAPH, AND RADIO COMMUNICATIONS AND FOR TRANSMITTING TELEVISION PROGRAMS.

2. (S) RADUGAS ARE MAINTAINED IN FIVE ORBITAL POSITIONS. SEVEN WERE ACTIVE BEFORE THE ADDITION OF RADUGA-21, POSITIONED AS FOLLOWS:

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25 DEGREES WEST LONGITUDE	RADUGA-18
35 DEGREES EAST LONGITUDE	RADUGAS-11 AND -17
45 DEGREES EAST LONGITUDE	RADUGAS-16 AND -19
85 DEGREES EAST LONGITUDE	RADUGA-20
128 DEGREES EAST LONGITUDE	RADUGA-15

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OTHER PREVIOUSLY REPLACED SATELLITES MAY BE CAPABLE OF REACTIVATION. RADUGA-21 IS DRIFTING EASTWARD AND MAY JOIN RADUGA-15, THE OLDEST RADUGA OPERATING ALONE, AT 128 DEGREES EAST.

3. (S) THE RADUGA PROGRAM BEGAN IN 1975, WITH ONE RADUGA ORBITED ANNUALLY THROUGH 1979. THE SOVIETS 'AVE AVERAGED TWO RADUGA LAUNCHES A YEAR IN THE 1980'S. THIS YEAR IS THE FIFTH IN A ROW WITH TWO LAUNCHED. THE FIRST EVENT IN 1987 TOOK PLACE ON 19 MARCH. ALTHOUGH RADUGAS LAST UP TO 5 YEARS, THE SOVIETS USUALLY LAUNCH TWO ANNUALLY, THUS REPLACING SATELLITES AFTER 2.5 TO 3 YEARS. RADUGAS HAVE SIX C-BAND 6/4 GIGAHERTZ TRANSPONDERS, AND THEY PROVIDE COVERAGE OF THE ENTIRE EASTERN HEMISPHERE, THE ATLANTIC OCEAN, EASTERN NORTH AMERICA, AND LATIN AMERICA. (DECL OADR)

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ITEM 3: USSR - MAINSTAY UPDATE. (U)

1. (S) THE SOVIETS ARE EVALUATING MAINSTAY AWACS AT MARY NORTHEAST AIRFIELD.

2. (S) TWO DEPLOYED MAINSTAYS, EIGHT DEPLOYED SU-27/FLANKERS, AND DRONE ACTIVITY WERE RECENTLY NOTED AT THIS AIRFIELD. TRAINING WAS APPARENTLY ABOUT TO TAKE PLACE SINCE THE MAINSTAYS WERE PREPARING

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